

2 Way-0° Power Splitter/Combiner

SYPS-ED14310/1

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS ¹ (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB)	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
1.0	3.09	3.09	0.00	43.20	0.11	1.0	1.06	1.06	1.05
2.0	3.08	3.08	0.00	41.97	0.05	2.0	1.06	1.05	1.05
3.0	3.08	3.08	0.00	41.46	0.02	3.0	1.06	1.04	1.04
4.0	3.08	3.08	0.00	41.29	0.03	4.0	1.06	1.04	1.04
5.0	3.08	3.08	0.00	41.24	0.01	5.0	1.06	1.04	1.04
6.0	3.08	3.09	0.00	41.10	0.01	6.0	1.06	1.04	1.04
9.0	3.09	3.09	0.00	40.96	0.01	9.0	1.06	1.04	1.04
12.0	3.10	3.10	0.00	40.99	0.01	12.0	1.06	1.04	1.04
15.0	3.11	3.11	0.00	40.67	0.01	15.0	1.07	1.04	1.03
18.0	3.11	3.11	0.00	40.22	0.02	18.0	1.07	1.03	1.03
20.0	3.12	3.11	0.00	39.87	0.02	20.0	1.07	1.03	1.03
22.0	3.12	3.12	0.00	39.56	0.01	22.0	1.07	1.03	1.03
24.0	3.12	3.12	0.00	39.36	0.02	24.0	1.07	1.03	1.03
26.0	3.13	3.13	0.00	39.00	0.04	26.0	1.07	1.03	1.03
28.0	3.13	3.13	0.00	38.82	0.03	28.0	1.07	1.03	1.03
30.0	3.13	3.13	0.00	38.56	0.04	30.0	1.07	1.03	1.03
35.0	3.14	3.14	0.00	37.92	0.04	35.0	1.08	1.03	1.03
40.0	3.15	3.15	0.00	37.28	0.03	40.0	1.08	1.03	1.03
45.0	3.16	3.15	0.00	36.58	0.03	45.0	1.08	1.03	1.03
50.0	3.17	3.16	0.00	35.97	0.05	50.0	1.09	1.03	1.03
60.0	3.18	3.17	0.01	34.87	0.05	60.0	1.09	1.03	1.03
70.0	3.19	3.19	0.01	33.89	0.06	70.0	1.10	1.03	1.03
80.0	3.21	3.20	0.01	33.02	0.07	80.0	1.10	1.03	1.03
90.0	3.22	3.20	0.02	32.21	0.08	90.0	1.11	1.02	1.03
100.0	3.23	3.21	0.02	31.51	0.09	100.0	1.11	1.02	1.03
200.0	3.36	3.30	0.06	26.20	0.17	200.0	1.18	1.03	1.04
300.0	3.52	3.39	0.13	22.00	0.27	300.0	1.28	1.07	1.09
400.0	3.80	3.57	0.23	17.82	0.41	400.0	1.46	1.11	1.16

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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 The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. X2
 SYPS-ED14310/1
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 Page 1 of 1